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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/594,079	09/25/2006	Kenji Imanishi	038921.58289US	8813
23911 7590 03/17/2008 CROWELL & MORING LLP INTELLECTUAL PROPERTY GROUP P.O. BOX 14300 WASHINGTON, DC 20044-4300				
EXAMINER				
MEROUAN, ABDERRAHIM				
ART UNIT		PAPER NUMBER		
4192				
MAIL DATE		DELIVERY MODE		
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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

### Office Action Summary

**Application No.**

10/594,079

**Applicant(s)**

IMANISHI, KENJI

**Examiner**

ABDERRAHIM MEROUAN

**Art Unit**

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 25 September 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-946)
- 3) ☒ Information Disclosure Statement(s) (PTO/SF/US)  
Paper No(s)/Mail Date 09/25/2006
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1- 6 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Ujiie (U.S. Patent 6748346 B2) hereinafter Ujiie.

As per claim 1 Ujiie teaches:

A two-dimensional drawings creation method of creating two-dimensional drawings based on a three-dimensional model by using a computer source including

a processing device source, ( Ujiie, Column 10 , lines 39 to 41)

a memory source, ( Ujiie, Column 10 , line 41 )

an input device, ( Ujiie, Column10, line 41 )

and an interface, ( Ujiie, Column 10, line 59 )

in which the processing device source executes a processing( Ujiie, Column 10, lines 47 to 49 )

including a step of holding, as three-dimensional shape information of a parts model having a shape changing element whose shapes is changed before and after assembling and other common elements, ( Ujiie, Column 3, lines 24 to 30 )

three-dimensional information on the shape before assembling and the shape after assembling of the shape changing element and the shape of the common elements, ( Ujiie, Column 3, lines 33 to 42 )

a step of setting a restriction condition between the shape before assembling of the shape changing element and the shape of the common element to become a single part to each other, ( Ujiie, Column 3, lines 63 to 67 )

a step of setting a restriction condition between the shape after assembling of the shape changing element and the shape of the common elements to become a single part to each other, ( Ujiie, Column 3, lines 54 to 62 )

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and a step of developing the held three-dimensional information into the two-dimensional drawing ( Ujiie, Column 4, lines 50 to 56 )

in accordance with each of the restriction conditions, based on the operation program of the memory source. ( Ujiie, Column 11, lines 1 to 6).

3. As per claim 2 Ujiie teaches: The two-dimensional drawing creation method according to claim 1, claim 2 adds into claim 1:

wherein the method includes;

a step of judging the parts model as to whether it is before or after assembling, ( Ujiie, Column 4, lines 63 to 67, and Column 5, lines 1 to 3 )

and not displaying the shape after assembling of the shape changing element, while displaying the shape before assembling of the shape changing element and the shape of the common elements before assembling, ( Ujiie, Column 5, lines 4 to 10)

and a step of not displaying the shape before assembling of the shape changing element while displaying the shape after assembling of the shape changing elements and the shape of the common element after assembling. ( Ujiie, Column 7, lines 1 to 6 )

4. As per claim 3 Ujiie teaches:

A three-dimensional CAD system including a data base that holds, as three-dimensional shape information of a parts model having a shape changing element whose shape is changed before and after assembling and other common elements, ( Ujiie, Column 3, lines 24 to 30 )

three-dimensional information on the shape before assembling and the shape after the assembling of the shape changing element and the shape of the common elements, ( Ujiie, Column 3, lines 33 to 42 )

and a calculation unit that sets a restriction condition between the shape changing element before assembling and the shape of the common elements to become a single part to each other, ( Ujiie, Column 3, lines 63 to 67 )

sets a restriction condition between the shape after assembling of the shape changing element and the shape of the common elements to become a single part to each other, ( Ujiie, Column 3, lines 54 to 62 )

and develops the three-dimensional shape information held in the data base into a two-dimensional drawing( Ujiie, Column 4, lines 50 to 56 )

in accordance with each of the restriction conditions. ( Ujiie, Column 3, lines 63 to 67 , and Column 3, lines 54 to 62)

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5. As per claim 4 Ujiie teaches: The three-dimensional CAD system according to claim 3, claim 4 adds into claim 3

Including:

a display unit for displaying the two-dimensional drawing on a screen, ( Ujiie, Column 4, lines 50 to 56 )

in which the calculation unit judges for the parts model as to whether it is before or after assembling, ( Ujiie, Column 4, lines 63 to 67, and Column 5, lines 1 to 3 )

does not display the shape after assembling of the shape changing elements while displaying the shape before assembling of the shape changing elements and the shape after assembling of the common elements on the display screen before assembling ( Ujiie, Column 5, lines 4 to 10 )

and does not display the shape before assembling of the shape changing element while displaying the shape after assembling of the shape changing elements and the shape of the common elements on the display screen after assembling. ( Ujiie, Column 7, lines 1 to 6 )

6. As per claim 5 Ujiie teaches: A three-dimensional CAD program according to claim 3, claim 5 adds into claim 3 :

containing a program for causing a computer to execute a processing attained with each of the means ( Ujiie, Column 10, lines 50 to 54 )

7. As per claim 6 Ujiie teaches: A three-dimensional CAD program according to claim 5, claim 6 adds into claim 5 :

A recording medium which is a computer-readable recording medium storing the three-dimensional CAD program ( Ujiie, Column 11, lines 24 to 28 )

### ***Conclusion***

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to ABDERRAHIM MEROUAN whose telephone number is (571)270-5254. The examiner can normally be reached on Monday to Friday 7:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Pankaj Kumar can be reached on (571) 272-3011. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR

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system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Abderrahim Merouan

Examiner

Art Unit 4192

/Pankaj Kumar/

Supervisory Patent Examiner, Art Unit 4192